

Latest Weight Saving Solutions for Automotive Applications

A 90 min online short course
by **Dr. Donald Rosato**



To register, please visit:

<http://polymer-additives.specialchem.com/online-course/1093-Weight-Saving-Lightweight-Automotive-Innovations>

Lightweighting has been a key trend in the automotive industry for quite some time. Motor vehicle OEMs and suppliers want to achieve vehicle lightweighting goals without loss of performance or aesthetics. This has resulted in lots of new multi-level and multi-material developments for auto applications. Some of the solutions that were acceptable 3 to 5 years ago are no longer enough...

Clarify opportunities & focus your R&D on the right projects by reviewing **latest automotive weight-saving innovations**: *PMMA for auto glazing, PA66 composite Vehicle Floor 1/3 Lighter than Steel, Highly 'engineered' PP...*

Don will share his insight on the current landscape and provide a selection of new materials & technologies to achieve **higher performance, cost reduction, design flexibility**...

Why you should attend:

1. Save time with a **synthetic & neutral overview of latest innovations** for structural metal part replacement, structural metal part replacement, lighter engine covers, door panels, seats, windshields...
2. **Feed your creativity** by seeing how others address weight saving challenges
3. Strengthen your automotive part design strategy by reviewing how and where polymers (**PA, PC, POM, PPE, PS, PP...**) can contribute to weight reduction



Who is it for?

Ideally suited for all those wishing to **keep aware of latest weight-saving technologies**—from raw material producers to designers.

Outline

Don Rosato has been **closely following developments** related to automotive lightweighting over the past 12 months. He will presents what he considers as **the most impactful innovations** for the industry:

1. Automotive Weight Saving Overview

- Market Drivers
- Technology Trends

2. Weight Saving Material Advances

- Thermoplastics and Thermosets
- Advanced Composites
- Competing Metal Materials

3. Automotive Weight Saving Process Technologies

4. Automotive Weight Saving Applications

- Interior / Exterior
- Under-the-Hood
- Structural Metal Part Replacement

5. The Future of Automotive Weight Saving

6. Major Automotive Weight Saving Players & Related References

At the end of the training there will be a **Q&A Session** where you can pose questions to **Dr. Donald Rosato**.

A transcript of all the questions & answers will be made available after the event.

Presented by Dr. Donald Rosato



Dr. Donald V. Rosato is internationally recognized as a leader in plastics technology, business, and marketing. Serves as President of *PlastiSource, Inc.* a prototype manufacturing, technology development, and marketing advisory firm, located in Concord, Massachusetts, USA.

He has extensive technical and marketing, plastic industry business experience from laboratory testing, through production to marketing, having worked for *Northrop Grumman, Owens-Illinois/Graham, DuPont/Conoco, Celanese/Ticona, and Borg Warner/G.E. Plastics*.

Dr. Rosato has authored or edited numerous papers, including articles published in the *Encyclopedia of Polymer Science and Engineering*, and major books, including the *Concise Encyclopedia of Plastics, Injection Molding Handbook, Plastic Product Material and Process Selection Handbook, Reinforced Plastics Handbook, Extruding Plastics: Practical Processing Handbook, Blow Molding Handbook, Designing with Plastics and Advanced Composites, Plastics Processing Data Handbook, and Plastics Institute of America Plastics Engineering, Manufacturing and Data Handbook*.

He has developed numerous patents within the polymer related industries, is a participating member of many trade and industry groups, such as *SPE, SPI, PIA, CPPIA* and *SAMPE*. Among many accolades, has been named Engineer of



the Year by the *Society of Plastics Engineers*.

He received his BS in Chemistry from *Boston College*, MBA at *Northeastern University*, M.S. Plastics Engineering from *University of Massachusetts Lowell*, and Ph.D. Business Administration at *University of California, Berkeley*.

Past attendees feedback

Content: ★★★★★☆

Technical Level: ★★★★★★

Speaker: ★★★★★☆

(85 evaluations)

Mark W. , from Solvay Advanced Polymers:

"My background is in thermoplastics but this training showed that more material solutions would also offer weight saving. This would change my perspective on this subject."

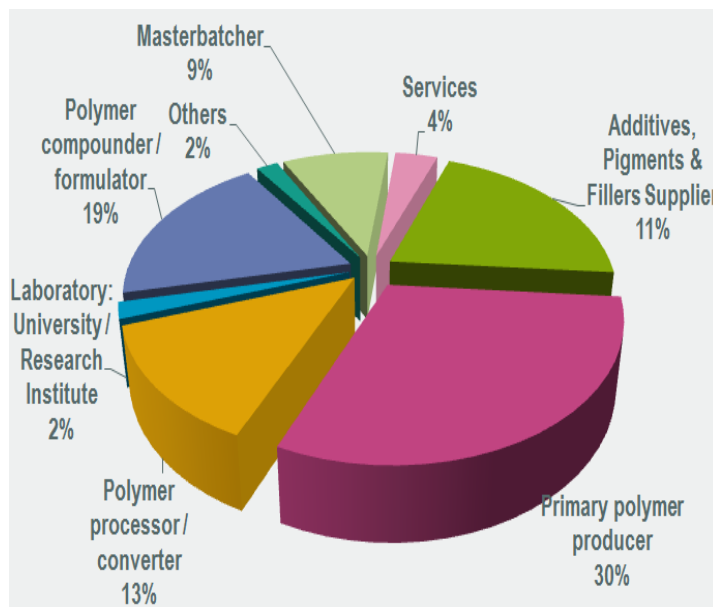
Christian K. , from Kraton Polymer GmbH:

"Fast and easy way to learn about key trends and developments!"

Norman B. , from Kraton Polymer GmbH:

"Gave a very good overview of technologies aimed at light weighting, much broader than we would normally be exposed to!"

Past attendees profile



- R&D – Applied/Formulation/ Product development-32%
- Marketing -42%
- Basic Research - 8%
- Technical Services/ Customer assistance - 6%
- Consulting/ Training/ Education - 4%
- Product design/ engineering – 4%

BASF, Cray Valley USA, Ensinger, RTP Company, Dow, Toray Resin Company, Kraton Polymer, GmbH, 3M, Miliken, Bayer MaterialScience, LLC, Dow, Huntsman Polyurethanes, Solvay Advanced Polymers...



Next session: Thu. Feb 12, 2015 at 10 a.m. ET / 4 p.m. CET - [Your local time](#)

Fee:

	Regular Access	Group / Multi Access
Number of attendees	Up to 3 attendees	Up to 10 attendees
Number of connections (1 Internet Access)	1 connection	Up to 3 connections
Fee (Currency Converter)	€ 290	€ 580

SpecialChem is not accountable for users' costs linked to participating in the Online Course, including but not limited to the phone and Internet connection fees. We provide local phone numbers when available.

Your registration includes:

- **Pdf slides** at least 24h before the live session
- **1h online short course** by an independent expert
- Live interaction with the expert during the **30-minute Q&A session**
- **Q&A Transcript** when you submit your feedback on the course
- **Expert contact details** to further discuss your projects

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- Our 500 000+ members from the chemical industry help us **tailor trainings to your needs**
- Our course catalogue has been refined over the years (since 2003) to improve **pedagogy & content quality**
- **2000 of your peers** are trained by us every year
- **97% satisfied attendees** in 2014

Tips to optimize cost of attending

- 1- **Attend with your colleagues**: a REGULAR access allow 3 attendees sharing the same connection
- 2- **Book 2 sessions** at the same time; you will get 25% off the cheapest one.
- 3- Purchase **OC Credits** in advance, you can save
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Attending an Online Course is EASY !

